

FORM PTO-1449
U.S. Department of Commerce Patent and
Trademark Office

Docket No.:
UCSD1370-5 (101668-30)

Application No.:
09/616,247

Applicants: Carson and Albani

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[SUPPLEMENTAL] INFORMATION
DISCLOSURE STATEMENT BY APPLICANT

Filing Date:
July 14, 2000

Group Art Unit:
1645 OCT 10 2003

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U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
KS	AA	4,654,419	03/31/1987	Vaughan et al.			
	AB	4,683,295	07/28/1987	Carson			
	AC	4,732,757	03/22/1988	Stolle et al.			
	AD	5,116,725	05/26/1992	Vaughan et al.			
	AE	5,310,732	05/10/1994	Carson et al.			
	AF	5,541,164	07/30/1996	Carson et al.			
	AG	5,728,385	03/17/1998	Classen			
	AH	5,773,570	06/30/1988	Carson et al.			
	AI	5,891,435	04/06/1999	Muir et al.			
KS	AJ	5,992,567	07/13/1999	Au-Young et al.			

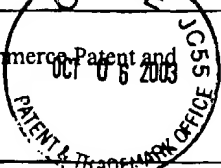
FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
KS	AK	WO90/14835	12/13/1990	WIPO			
K	AL	WO95/31984	11/30/1995	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

EXAMINER	DATE CONSIDERED
K	8/1/04

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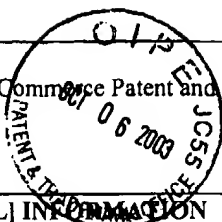
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KS	AM	Albani, S., et al., "Positive Selection in Autoimmunity: Abnormal Immune Responses to a Bacterial dnaJ Antigen Determinant in Patients with Early Rheumatoid Arthritis," <i>Nature Medicine</i> , Vol. 1, No. 5, Pgs. 448-452, 1995
	AN	Bonnin, D., et al., "MHC-Derived Peptides Drive Positive T Cell Selection in the Thymus: from a Physiological System to an HLA DRB1*0401 Transgenic Mouse Model for Rheumatoid Arthritis?", <i>Arthritis and Rheumatism</i> , Vol. 39, No. 9 Suppl., Pg. S160, Oct. 1996
	AO	Auger, I., et al., "HLA-DR4 and HLA-DR10 Motifs that Carry Susceptibility to Rheumatoid Arthritis Bind 70-kD Heat Shock Proteins," <i>Nature Medicine</i> , Vol. 2, No. 3, Pgs. 306-310, March 1996
	AP	Albani, et al., "Genetics and Environmental Factors in the Immune Pathogenesis of Rheumatoid Arthritis," <i>Rheumatic Disease Clinics of North America</i> , 18/4:729-740, 1992.
	AQ	Stastney, P., et al., "Immunogenetics of Rheumatoid Arthritis and Juvenile Arthritis", <i>Recenti Progressi in Medicina</i> , Vol. 82, No. 7-8, Pgs. 409-416, 1991
	AR	Nepom, G., "Prediction of Susceptibility to Rheumatoid Arthritis by Human Leukocyte Antigen Genotyping" <i>Rheumatic Disease Clinics of North America</i> , Vol. 18, No. 4, Pgs. 785-792, November, 1992
	AS	Weyand, C., et al., "The Influence of HLA-DRB1 Genes on Disease Severity in Rheumatoid Arthritis," <i>Annals of Internal Medicine</i> , Vol. 117, No. 10, Pgs. 801-806, November 15, 1992
	AT	Fairchild, P., et al., "Peptide-MHC Interaction in Autoimmunity," <i>Current Opinion in Immunology</i> , Vol. 4, pgs. 748-753, 1992
	AU	Life, P.F., et al., "Synovial Fluid Antigen-Presenting Cells Unmask Peripheral Blood T Cell Responses to Bacterial Antigens in Inflammatory Arthritis," <i>Clin. Exp. Immunol.</i> Vol. 79, Pgs. 189-194, 1990

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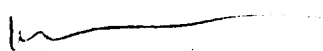
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h	AV	Van Den Broek, M.F., et al., "Protection Against Streptococcal Cell Wall-Induced Arthritis by Pretreatment with the 65-kD Mycobacterial Heat Shock Protein," <i>J. Exp. Med.</i> , Vol. 170, Pgs. 449-466, August, 1989
	AW	Anderton, S.M., et al. "Activation of T Cells Recognizing Self 60-kD Heat Shock Protein Can Protect Against Experimental Arthritis," <i>J. Exp. Med.</i> , Vol. 181, Pgs. 943-952, March 1995
	AX	Albani, S., et al., "A Multistep Molecular Mimicry Hypothesis for the Pathogenesis of Rheumatoid Arthritis," <i>Immunology Today</i> , Vol. 17, No. 10, Pgs. 466-470, October, 1996
	AY	Anderton et al, "Differential Mycobacterial 65-kDa Heat Shock Protein T Cell Epitope Recognition after Adjuvant Arthritis-Inducing or Protective Immunization Protocols ¹ ," <i>J. Immunology</i> 152:3656-64, 1994
	AZ	Albani et al, "HLA Binding Studies Support a Role for the QKRAA Susceptibility Sequence to Rheumatoid Arthritis (RA) in Positive Selection and Activation of Pathogenic T Lymphocytes," <i>Arthritis and Rheumatism</i> , 38/9 Suppl., Pg. S181, Abstract#173, 1995
	BA	Plotkin, S.A., et al., "New Technologies for Making Vaccines," <i>Vaccines</i> , Pgs. 568-575, 1988
	BB	Albani, S., et al., "Molecular Basis for the Association Between HLA DR4 and Rheumatoid Arthritis. From the Shared Epitope Hypothesis to a Peptidic Model of Rheumatoid Arthritis," <i>Clin. Biochem.</i> Vol. 25, Pgs. 209-212, 1992
	BC	La Cava, A., et al., "The QKRAA Disease Susceptibility Sequence for Rheumatoid Arthritis (RA) is a B Cell Epitope Shared by the Epstein-Barr Virus (EBV) Protein gp110 and the E. Coli Heat Shock Protein dnaJ Possible Implications for Disease Pathogenesis," <i>Arthritis & Rheum.</i> 36(9) Suppl. Pgs. S127 Abstract 1993
h	BD	Asseldonk, M., et al., "Cloning, Nucleotide Sequence, and Regulatory Analysis of the <i>Lactococcus Lactis</i> dnaJ Gene," <i>Journal of Bacteriology</i> , 175(6), Pgs. 1637-1644, March 1993,

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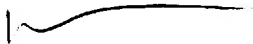
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✓	BE	Bardwell, J.C.A., et al., "The Nucleotide Sequence of the <i>Escherichia coli</i> K12 <i>dnaJ</i> + Gene," <i>The Journal of Biological Chemistry</i> , Vol. 261, No. 4, Pgs. 1782-1785, February 5, 1986
	BF	Ohki, M., et al., "Nucleotide Sequence of the <i>Escherichia coli dnaJ</i> Gene and Purification of the Gene Product*", <i>The Journal of Biological Chemistry</i> , Vol. 261, No. 4, Pgs. 1778-1781, 1986
	BG	Albani, S., et al., "The Susceptibility Sequence to Rheumatoid Arthritis is a Cross-Reactive B Cell Epitope Shared by the <i>Escherichia Coli</i> Heat Shock Protein <i>dnaJ</i> and the Histocompatibility Leukocyte Antigen DRB10401 Molecule," <i>J. Clin. Invest.</i> , Vol. 89, Pgs. 327-331, 1992
	BH	van Eden, W., et al., "Cloning of the Mycobacterial Epitope Recognized by T Lymphocytes in Adjuvant Arthritis," <i>Nature</i> , Vol. 331, Pgs. 171-173, January 14, 1988
	BI	Silver, P.A., et al. "Eukaryotic <i>DnaJ</i> Homologs and the Specificity of Hsp70 Activity," <i>Cell</i> , Vol. 74, Pgs. 5-6, July 16, 1993
	BJ	Zuber et al., "Cloning, Sequencing and Expression of the <i>dnaJ</i> gene of <i>Coxiella Burnetii</i> ," <i>Gene</i> , Vol. 152 Pgs. 99-102, 1995
	BK	DeGraeff-Meeder, E.R., et al., "Recognition of Human 60kD Heat Shock Protein by Mononuclear Cells from Patients with Juvenile Chronic Arthritis," <i>The Lancet</i> , Vol. 337, Pgs. 1368-1372, June 8, 1991
	BL	Brackertz et al, "OM-8980 in Rheumatoid Arthritis: A 6-Month Double Blind Placebo Controlled Multicenter Study," <i>Journal of Rheumatology</i> , Vol. 16, Pgs. 19-23, 1989
	BM	Marsh, S.G.E., et al, "HLA Class II Nucleotide Sequences, 1991," <i>Tissue Antigens</i> , Vol. 37, Pgs. 181-189, 1991
	BN	Albani, S., et al., "Immune Responses to the <i>Escherichia Coli dnaJ</i> Heat Shock Protein in Juvenile Rheumatoid Arthritis and their Correlation with Disease Activity," <i>The Journal of Pediatrics</i> , Vol. 124, No. 4, Pgs. 561-565, April 1994
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